

FORM PTO-1390 (Modified)
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES

009-02

DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

PCT/DE00/02423 **10/069417**INTERNATIONAL APPLICATION NO.
PCT/DE00/02423INTERNATIONAL FILING DATE
July 18, 2000PRIORITY DATE CLAIMED
September 10, 1999

TITLE OF INVENTION

METHOD OF FORMING A CONDUCTIVE PATTERN ON DIELECTRIC SUBSTRATES

APPLICANT(S) FOR DO/EO/US

ATOTECH DEUTSCHLAND GmbH

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☐ Other items or information:

10/069417

U.S. APPLICATION NO. (IF KNOWN, SEE) PCT/DE00/02423	INTERNATIONAL APPLICATION NO. PCT/DE00/02423	ATTORNEY'S DOCKET NUMBER 009-02
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24. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : <table style="width:100%;"><tr><td><input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO</td><td style="text-align: right;">\$1040.00</td></tr><tr><td><input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO</td><td style="text-align: right;">\$890.00</td></tr><tr><td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO</td><td style="text-align: right;">\$740.00</td></tr><tr><td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)</td><td style="text-align: right;">\$710.00</td></tr><tr><td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)</td><td style="text-align: right;">\$100.00</td></tr></table> <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).</p> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th style="width:15%;">CLAIMS</th><th style="width:20%;">NUMBER FILED</th><th style="width:20%;">NUMBER EXTRA</th><th style="width:10%;">RATE</th><th style="width:15%;"> </th><th style="width:30%;"> </th></tr></thead><tbody><tr><td>Total claims</td><td style="text-align: center;">29 - 20 =</td><td style="text-align: center;">9</td><td style="text-align: center;">x \$18.00</td><td></td><td style="text-align: right;">\$162.00</td></tr><tr><td>Independent claims</td><td style="text-align: center;">1 - 3 =</td><td style="text-align: center;">0</td><td style="text-align: center;">x \$84.00</td><td></td><td style="text-align: right;">\$0.00</td></tr><tr><td colspan="4">Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/></td><td></td><td style="text-align: right;">\$280.00</td></tr><tr><td colspan="5" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td><td style="text-align: right;">\$1,332.00</td></tr></tbody></table> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.</p> <p style="text-align: right;">SUBTOTAL =</p> <p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</p> <p style="text-align: right;">TOTAL NATIONAL FEE =</p> <p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/></p> <p style="text-align: right;">TOTAL FEES ENCLOSED =</p> <table border="1" style="width:100%; border-collapse: collapse;"><tr><td style="width:70%;"></td><td style="width:15%; text-align: right;">Amount to be:</td><td style="width:15%; text-align: center;">\$</td></tr><tr><td></td><td style="text-align: right;">refunded</td><td></td></tr><tr><td></td><td style="text-align: right;">charged</td><td style="text-align: center;">\$</td></tr></table>	<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$1040.00	<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$890.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$740.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$710.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	\$100.00	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	29 - 20 =	9	x \$18.00		\$162.00	Independent claims	1 - 3 =	0	x \$84.00		\$0.00	Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					\$280.00	TOTAL OF ABOVE CALCULATIONS =					\$1,332.00		Amount to be:	\$		refunded			charged	\$	CALCULATIONS PTO USE ONLY JC13 Rec'd PCT/PTO 25 FEB 2002
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<p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$1,332.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>16-0750</u> A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"><p>John F. McNulty, Esquire Paul & Paul 2900 Two Thousand Market Street Philadelphia, PA 19103 (215) 568-4900</p></div>	<div style="text-align: center; margin-bottom: 10px;"> SIGNATURE</div> <div style="text-align: center; margin-bottom: 10px;">John F. McNulty, Esquire NAME</div> <div style="text-align: center; margin-bottom: 10px;">23,028 REGISTRATION NUMBER</div> <div style="text-align: center; margin-bottom: 10px;">February 25, 2002 DATE</div>
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10/069417.
JC20 Rec'd PCT/PTO 25 FEB 2002

PATENT

IN THE UNITED STATES PATENT OFFICE

Serial No.: Not yet assigned

Filed: Herewith

For: **METHOD OF FORMING A CONDUCTIVE
PATTERN ON DIELECTRIC SUBSTRATES**

Inventors: **Michael Guggemos, Franz Kohnle**

Atty Doc. No.: 009-02

"EXPRESS MAIL" MAILING LABEL NO:
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I HEREBY CERTIFY THAT THIS PAPER IS
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INDICATED ABOVE AND IS ADDRESSED TO
THE ASSISTANT COMMISSIONER FOR
PATENTS, WASHINGTON, D.C. 20231.
NAME OF PERSON MAILING PAPER OR FEE
Nancy DeJesus
Nancy DeJesus
SIGNATURE

EXPRESS MAIL COVER LETTER

Box PCT
Assistant Commissioner
for Patents
Washington, D.C. 20231

Dear Sir:

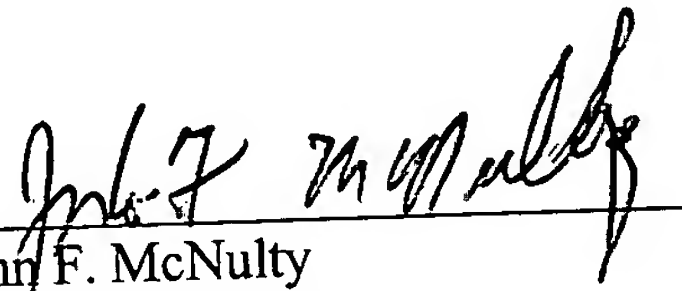
Enclosed and attached hereto are the following documents:

- (1) PCT Transmittal Form;
- (2) PCT -Request;
- (3) German Language Copy of Application;
- (4) Verified English Translation of Application;
- (5) International Search Report;
- (6) International Preliminary Examination Report with Amended Sheets According to Art. 34 PCT.
- (7) Verified English Translation of the amended sheets;
- (8) Declaration and Power of Attorney;
- (9) Check in the Amount \$1332.00 filing fee;
- (10) Preliminary Amendment;
- (11) Clean Set of Replacement Pages 1-3;
- (12) Assignment with PTO form 1595;
- (13) Check in the amount \$40.00 recordation fee;
- (14) Information Disclosure Statement with References;

- (15) PTO Form 1449;and
- (16) Express Mail Cover Letter; and
- (17) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER NO. 0333.

Respectfully submitted,


John F. McNulty
Reg. No. 23,028
Paul & Paul
2900 Two Thousand Market St.
Philadelphia, PA 19103
(215) 568-4900